

Claim Amendments

This listing of claims will replace all prior versions, and listing, of claims in the application.

Listing of Claims

Claims 1-11. (Canceled)

Claim 12. (New) A process for applying at least two chemically different flowable media to a substrate, comprising the following step:

- a) applying at least two chemically different flowable media, at least one medium being an aqueous polymer dispersion, to said substrate which is in the form of a web continuously in one operation via a multiple cascade die, wherein:
 - i) the total amount of the multilayer application ranges from 2 g/m² to 200 g/m² and
 - ii) the ratio of the thicknesses of the individual layers within the multilayer application to one another ranges from 0.1 to 100.

Claim 13. (New) The process as claimed in claim 12, wherein the at least two chemically different flowable media are aqueous solutions of polymers, dispersions or combinations thereof which function as adhesives and coating materials.

Claim 14. (New) The process as claimed in claim 12, wherein composite films and high-gloss films are laminated with the applied media.

Claim 15. (New) The process as claimed in claim 14, wherein said at least two chemically different flowable media as an adhesive are applied to a paper or a film web substrate.

Claim 16. (New) The process as claimed in claim 12, wherein said at least two chemically different flowable media coat paper as a web-form substrate, polymeric films or metallized surfaces, the layer facing the surface acting to improve the adhesion or to function as a barrier coat.

Claim 17. (New) The process as claimed in claim 12, wherein said at least two chemically different flowable media paint substrates to jointly apply thereto elastic and hard layers in one pass.

Claim 18. (New) The process as claimed in claim 12, wherein two layers of cationic and anionic polymers are applied whose characteristic upon being layered tend toward gelling or coagulation.

Claim 19. (New) The process as claimed in claim 12, wherein the two layers are a combination of cationic polymer solutions with anionic dispersions.

Claim 20. (New) The process as claimed in claim 12, wherein said at least two chemically different flowable media are solutions of polyvalent metal salts or metal complexes with polymer dispersions.

Claim 21. (New) The process as claimed in claim 12, wherein one of the chemically different layers is of a polyisocyanate, polyepoxides or polyacrydines and another chemically different layer is a dispersion.

Claim 22. (New) The process as claimed in claim 21, wherein a layer comprising a cross-linking agent is applied with said at least two chemically different flowable media layers.

Claim 23. (New) The process as claimed in claim 12, wherein said at least two chemically different dispersions are applied as individual layers in one operation and are selected from the group consisting of styrene-butadiene dispersions, acrylate, ethylene, vinylacetate dispersions and polyurethane dispersions, wax emulsions and silicone emulsions as release coat (antistick layer).

Claim 24. (New) The process as claimed in claim 23, wherein a first thin layer serves to improve wettability on the release coat.